



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/711,212 Filing Date: Sep. 01, 2004

Inventor : Yu-Hung Sun
Docket No. : LITP0043USA

Title: DISK DISCRIMINATION METHOD Cortificate

JUL **3 1** 2007

To: Commissioner for Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

of Correction

Subject: Request for Certificate of Correction of Office Mistake

Dear Sir:

The above-identified patent was issued on 06/19/2007. The applicant found that the residence of the Assignee is incorrect on the front page of the patent (Attachment 1). Documents on record indicate this as an Office mistake of consequence.

The applicant hereby requests that a Certificate of Correction be issued under 37 CFR 1.322 to correct the residence of the Assignee from "Nelhu" to "Neihu" as correctly listed on the Fee Transmittal submitted on 05/15/2007 (Attachment 2) and Notice of Recordation of Assignment Document dated Sep. 02, 2004 (Attachment 3).

Respectfully submitted,

Winten Hars Date: JUL 2 6 2007

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

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Please correct the residence of assignee from "Nelhu" to "Neihu"



(12) United States Patent Sun

(10) Patent No.:

US 7,233,556 B2

(45) Date of Patent:

Jun. 19, 2007

(54) DISK DISCRIMINATION METHOD

Inventor: Yu-Hung Sun, Taipei (TW)

(73) Assignee: Lite-On It Corporation, Nelhu, Taipei

(TW)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 380 days.

(21) Appl. No.: 10/711,212

(22) Filed:

Sep. 1, 2004

(65)**Prior Publication Data**

> US 2005/0052977 A1 Mar. 10, 2005

(30)Foreign Application Priority Data

Sep. 4, 2003 (TW) 92124517 A

(51) Int. Cl.

G11B 7/00 (2006.01)

U.S. Cl. 369/53.23

(58) Field of Classification Search 369/53.2, 369/53.23, 44.27, 44.25, 44.26, 94

See application file for complete search history.

(56)References Cited

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		Takeuchi	
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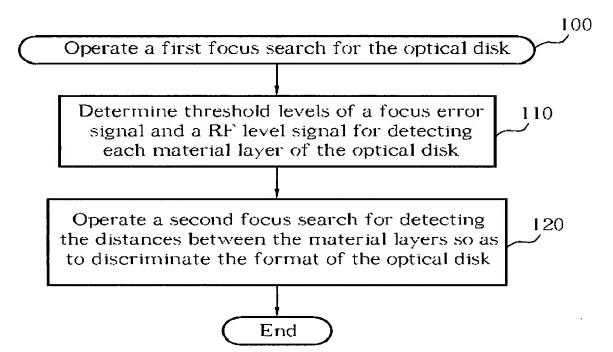
* cited by examiner

Primary Examiner—Thang V. Tran (74) Attorney, Agent, or Firm-Winston Hsu

ABSTRACT

A method for discriminating an optical disk is disclosed. Peak values and trough values of focus error signal and RF level signal are detected by an operation of focus search. Threshold levels for detecting each material layer of the optical disk are determined according to the peak values and the trough values. Thereafter another focus search for the optical disk is executed to calculate a thickness of the substrate and a distance between the first and the second recording layer of the optical disk according to the threshold levels. Thus the type of the optical disk can be discriminated.

25 Claims, 5 Drawing Sheets



To: USPTO Page 2 of 2

2007-05-15 08:01:42 (GMT)

8064986673 From: Winston



PART B - FEE(S) TRANSMITTAL

Sicte and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE.
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05/15/2007

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FIRST NAMED INVENTOR

ATTORNEY DOCKET NO.

(Signature

APPLICATION NO.

FILING DATE

PTOL-85 (Rev. 07/06) Approved for use through 04/30/2007.

Yu-Hung Sun

LITP0043USA

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CONFIRMATION NO.

10/711,212

09/01/2004

TITLE OF INVENTION: DISK DISCRIMINATION METHOD

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CFR 1.163). Change of corress Address form PTO/SB/47; Rov 03- Number is required	diention (of "Fee Address 02 or more recent) attack L	mge of Correspondence Tadication form hed. Use of a Customer	or agents OR, alternati (2) the name of a single registered attorney or 2 registered patent atto- listed, no name will be	 3 registered patent attenvely, 6 firm (having as a membagent) and the names of urmeys or agents. If no name printed. 	рета 2	on Hsu
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Authorized Signatur	Winsto	n Hsu		DateO	5/15/2007 41,526	
This collection of infor an application. Confid- submitting the comple this form and/or sugge Box 1450. Alexandria.	mation is required by 37 entiality is governed by 3 ted application form to testions for reducing this by Virginia 22313-1450.	CFR 1.311. The informa 15 U.S.C. 122 and 37 CF he USPTO. Time will va mrdan, should be sent to 00 NOT SEND FEES OF	tion is required to obtain or R 1.14. This collection is e ry depending upon the inter- tion Chief Information Offi & COMPLETED FORMS respond to a collection of in	retain a benefit by the pustinated to take 12 minutividual case. Any commeter, U.S. Patent and Track FO THIS ADDRESS. SER	blic which is to file (and es to complete, including ints on the amount of tim mark Office, U.S. Depai ND TO: Commissioner for tys a valid OMB control in the control of the control	by the USPTO to process gathering, preparing, or e you require to comple tracest of Commerce, P. or Patents, P.O. Box 145 sumber.

OMB 0651-0033

PAGE 2/2 * RCVD AT 5/15/2007 4:01:49 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/0 * DNIS:2732885 * CSID:8064986673 * DURATION (mm-ss):01-50

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Cindy 9, 13, 2004

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RECORDATION DATE: 09/01/2004

REEL/FRAME: 015066/0467

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). DOCKET NUMBER: LITP0043USA

ASSIGNOR:

SUN, YU-HUNG

DOC DATE: 08/16/2004

ASSIGNEE:

LITE-ON IT CORPORATION 15F, 392, RUEY KUANG ROAD,

TAIPEI CITY, TAIWAN

NETHU

SERIAL NUMBER: 10711212

PATENT NUMBER:

FILING DATE: ISSUE DATE:

TITLE: DISK DISCRIMINATION METHOD

015066/0467 PAGE 2

ALLYSON PURNELL, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

09/01/2004 800013520 APPLICATION NUMBER **NEW ASSIGNMENT** ASSIGNMENT OF ASSIGNOR'S INTEREST **Execution Date** Postal Internal Address City State/Country Code

TAIWAN

Taipei City

CORRESPONDENCE DATA

Electronic Version v08

Stylesheet Version v02

SUBMISSION TYPE:

Yu-Hung Sun

LITE-ON IT

CORPORATION

NATURE OF CONVEYANCE:

CONVEYING PARTY DATA

RECEIVING PARTY DATA

Name

Name

FAX NUMBER: 886229295950

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Street Address

15F, 392, Ruey Kuang

Road, Neihu

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PATENT ASSIGNMENT

official record on file at the USPTO.

CUSTOMER NUMBER: 027765

NAME OF PERSON SIGNING: WINSTON HSU

2004-08-16

DATE SIGNED: 2004-08-31

Total Attachments: 1

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AUG 8 2007

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Application Number 10/711, 212 10/711,212

TRANSMITTAL

Wunter Hon

JUL 2 6 2007

Winston Hsu

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Date

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Filing Date

09/01/2004

FORM		First Named Inventor	Yu-Hur	ng Sun .	
		Art Unit	2627		
	for all correspondence after initial	filing)	Examiner Name Attorney Docket Number	<u> </u>	THANG V 43USA
Total Numbe	ror Pages in This Submission		<u></u>	14	
		ENC	LOSURES (Check all	that apply)
Ameno Extens Expres Inform Certific Docum	reansmittal Form Fee Attached Iment/Reply After Final Affidavits/declaration(s) For Abandonment Request Attached Affidavits/declaration(s) For Abandonment Request For Attached	Rema	Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocatio Change of Correspondence A Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD arks est for Certificate of Correspondence A		After Allowance Communication to TC Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): 1. A copy of the Front Page of Patent. 2. A copy of Fee Transmittal submitted on 05/15/2007 3. Copies of the Notice of Recordation dated 09/02/2004 4. PTO/SB/44
	plete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53	TURE	OF APPLICANT, ATTO	RNEY, (DR AGENT
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Signature	Josefina Wang						
Typed or printed name	Josefina Wang	· D	ate	JUL	26	2007	

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41,526

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Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number Complete if Known Effective on 12/08/2004. ees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). **Application Number** 10/711,212 TRANSMIT Filing Date 09/01/2004 For FY 2007 First Named Inventor Yu-Hung Sun Examiner Name TRAN, THANG V Applicant claims small entity status. See 37 CFR 1.27 Art Unit 2627 TOTAL AMOUNT OF PAYMENT 0.00 LITP0043USA Attorney Docket No. METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order None Other (please identify): Deposit Account Name: North America Intellectual Property Corporation Deposit Account Deposit Account Number: 50-3105 For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) ✓ Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayments of fee(s) ✓ Credit any overpayments under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES **FILING FEES** SEARCH FEES EXAMINATION FEES **Small Entity Small Entity Small Entity** Fees Paid (\$) **Application Type** Fee (\$) Fee (\$) Fee (\$) Fee (\$) Fee (\$) Utility 300 150 500 250 200 100 Design 200 100 100 50 130 65 200 300 160 Plant 100 150 80 300 500 600 250 300 Reissue 150 Provisional 200 100 0 0 0 0 Small Entity 2. EXCESS CLAIM FEES Fee (\$) Fee (\$) Fee Description

Each claim over	20 (including Reissu	es)		50	25
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Multiple depende	ent claims	_		360	180
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dep	endent Claims
20 or H	1P = x	=		<u>Fee (\$)</u>	Fee Paid (\$)
HP = highest number o	f total claims paid for, if gre	eater than 20.			
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		
3 or HP) =x	=			
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3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

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Signature	Wenter Hora	Registration No. (Attorney/Agent) 41,526	Telephone 3027291562
Name (Print/Type	e) Winston Hsu		Date JUL 2 6 2007

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CERTIFICATE OF CORRECTION
Page <u>1</u> of <u>1</u>
PATENT NO. : 7,233,556 B2
APPLICATION NO.: 10/711212
ISSUE DATE : Jun. 19, 2007
INVENTOR(S) : Yu-Hung Sun
It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:
On the Title Page, Item (73), Assignee,
the residence should be corrected from "Nelhu" toNeihu
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